

FIG.1B

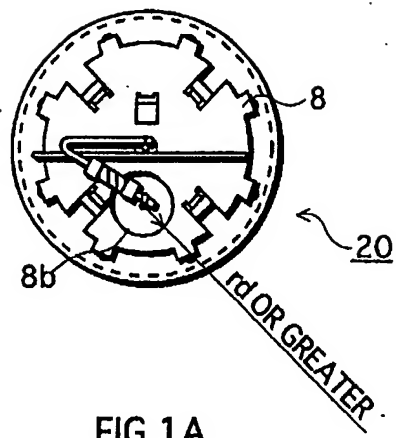


FIG.1A

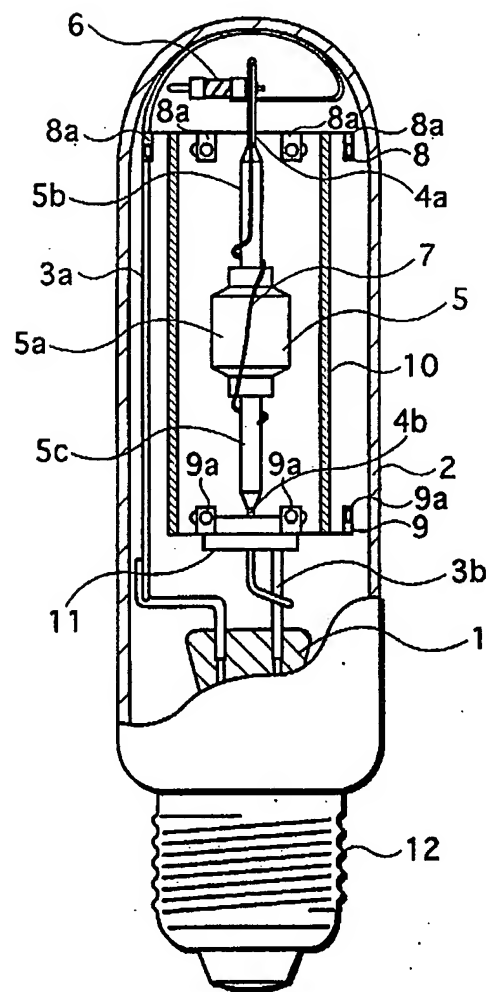


FIG.2A

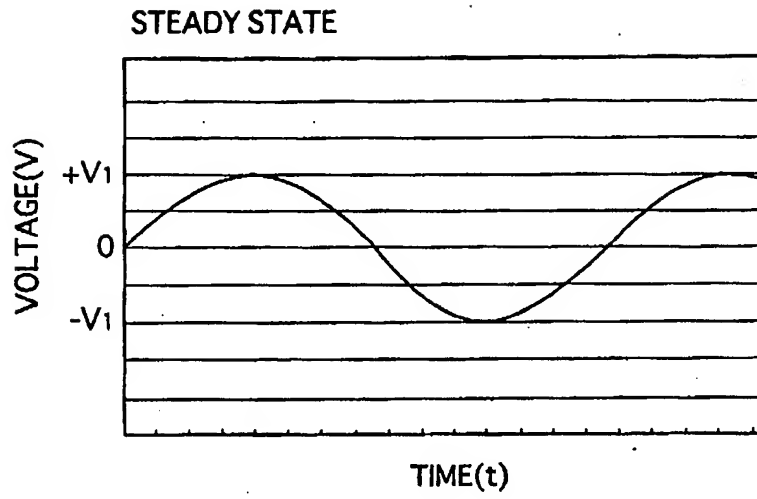


FIG.2B

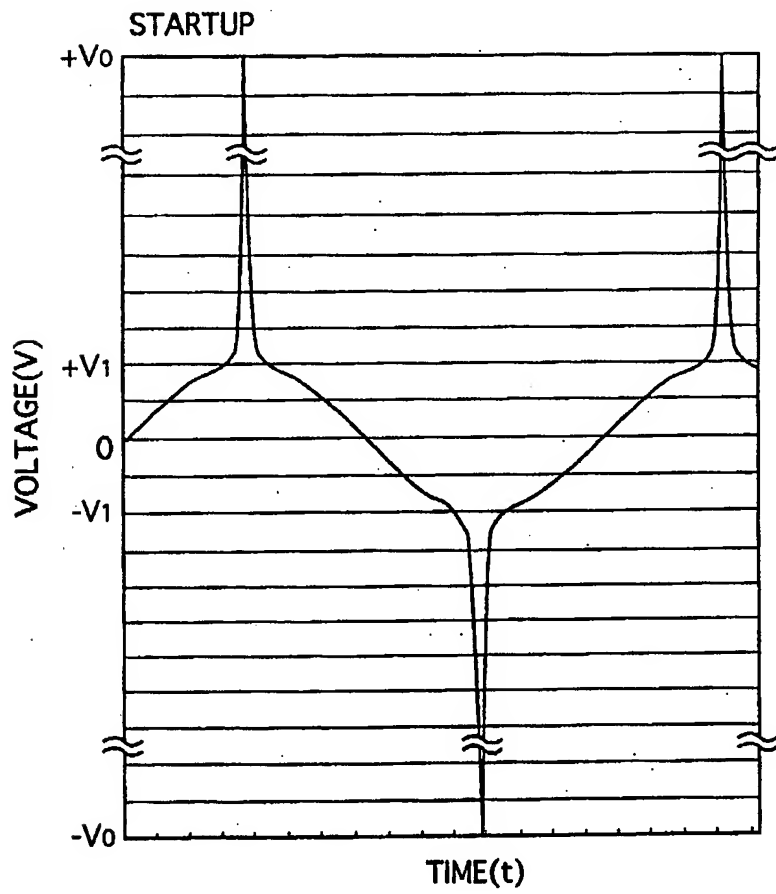


FIG.3A

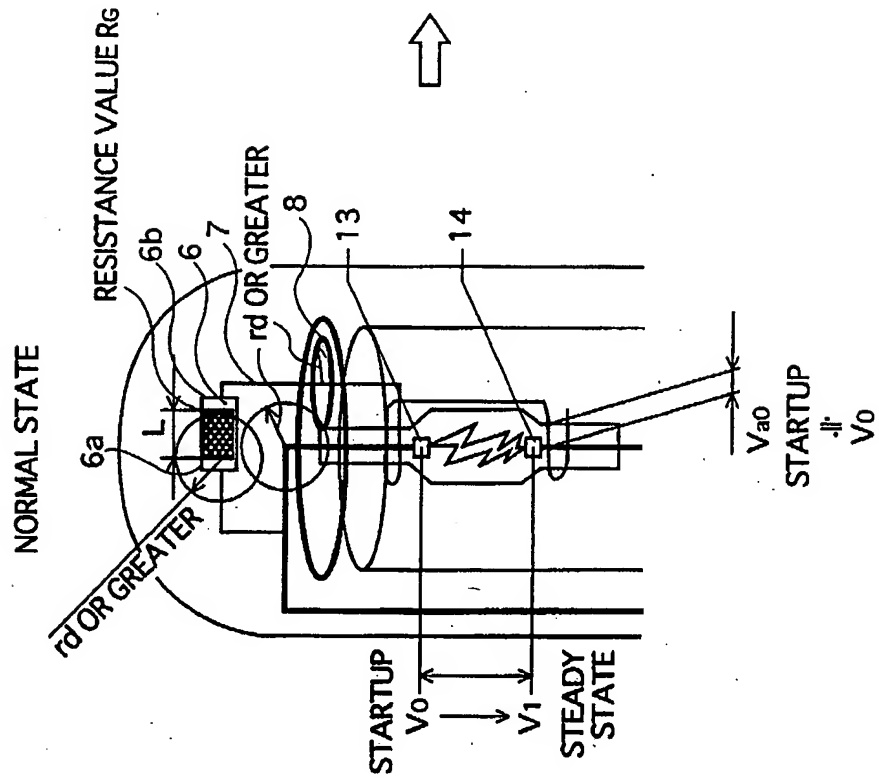


FIG.3B

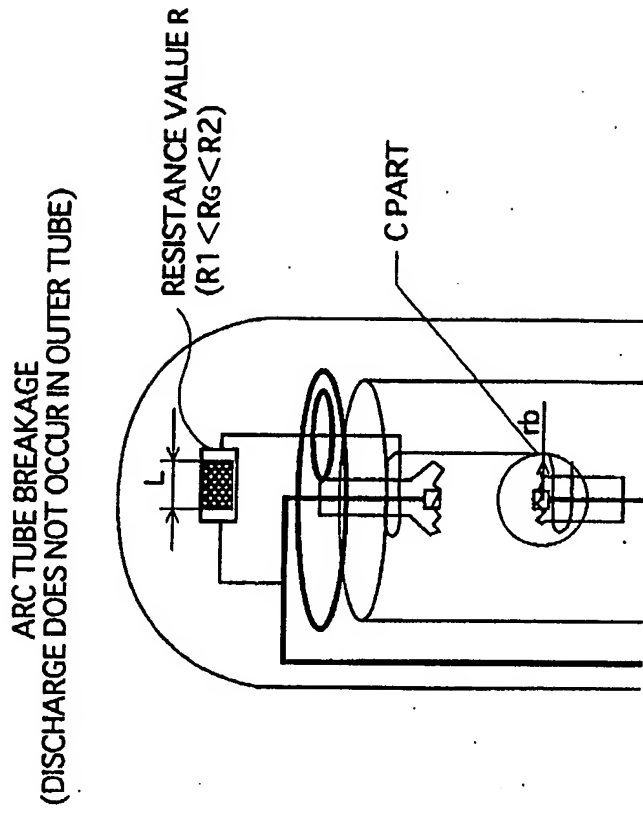


FIG.4A

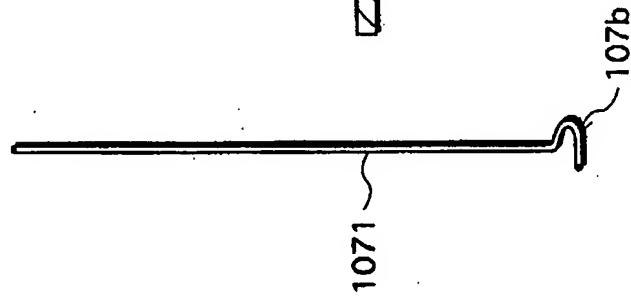


FIG.4B

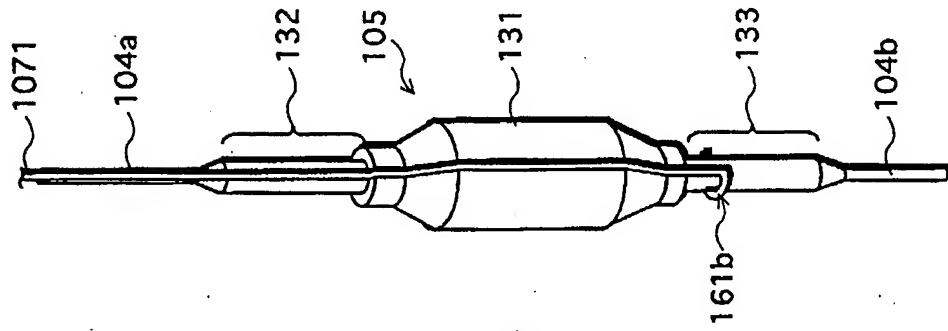


FIG.4C

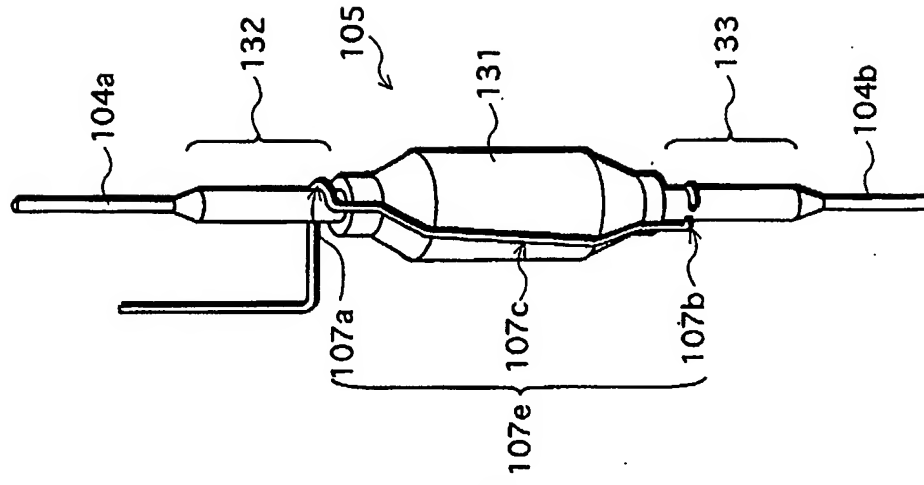


FIG.5A

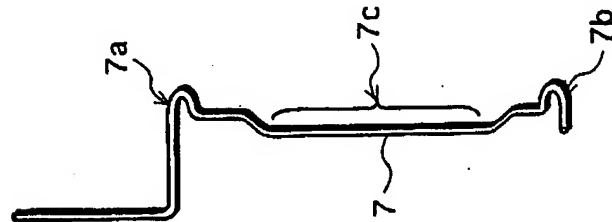


FIG.5B

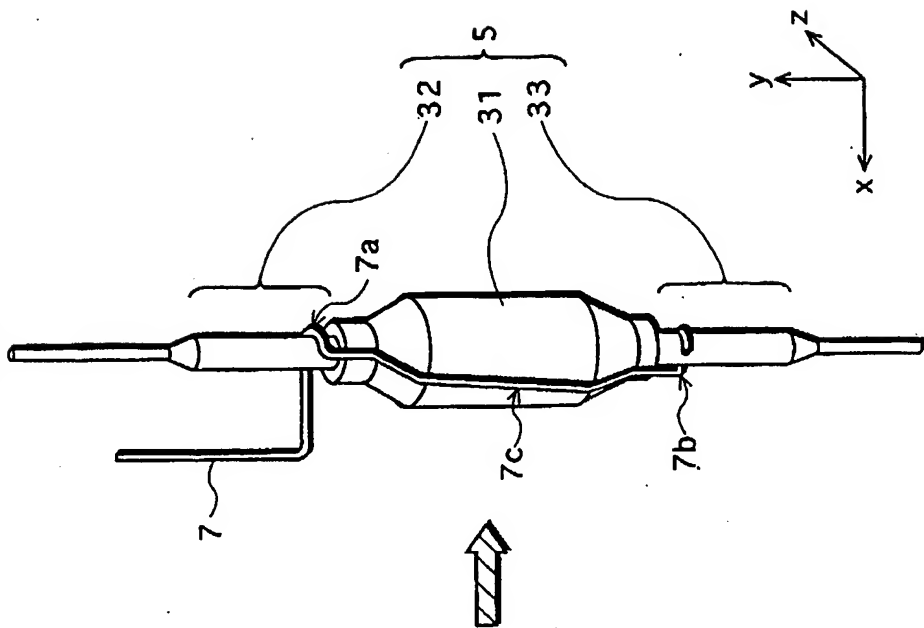


FIG.6

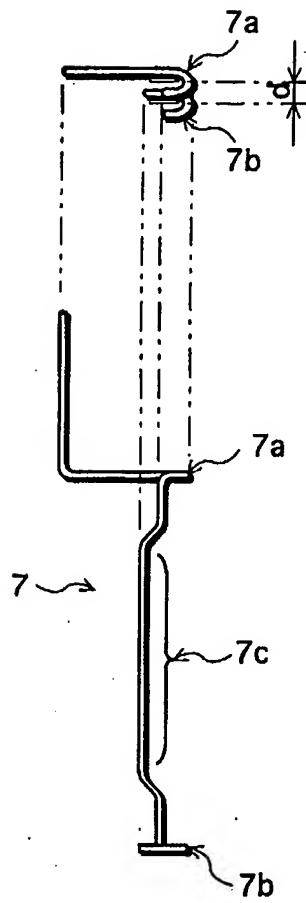


FIG.7

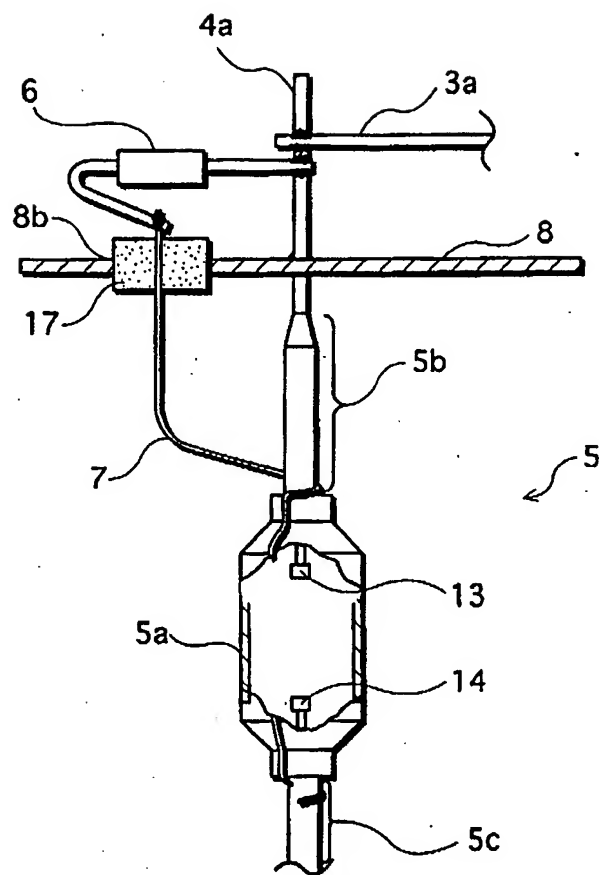


FIG.8B

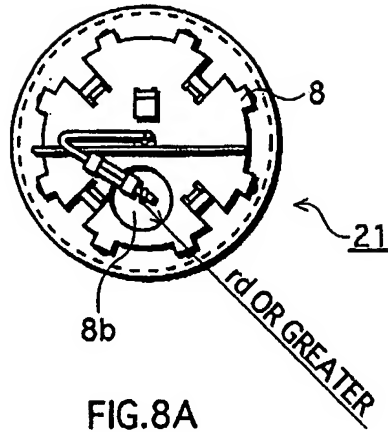


FIG.8A

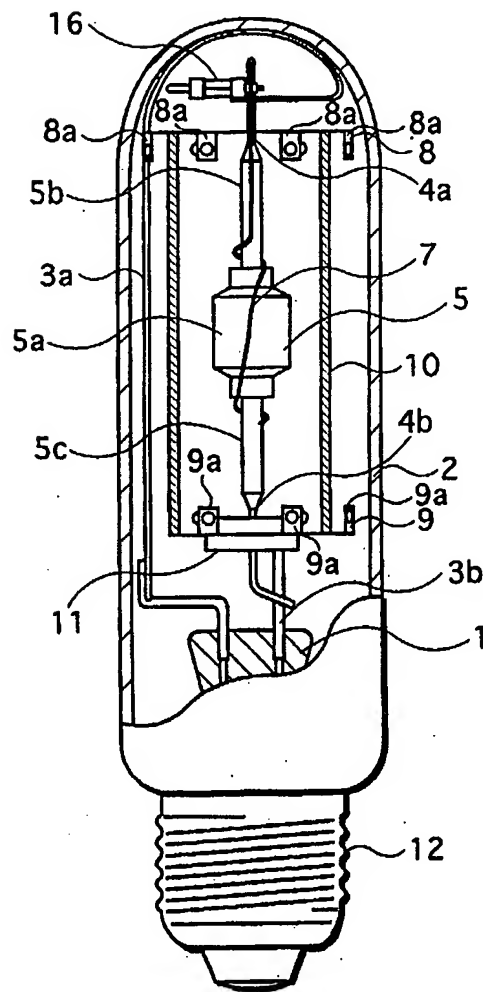
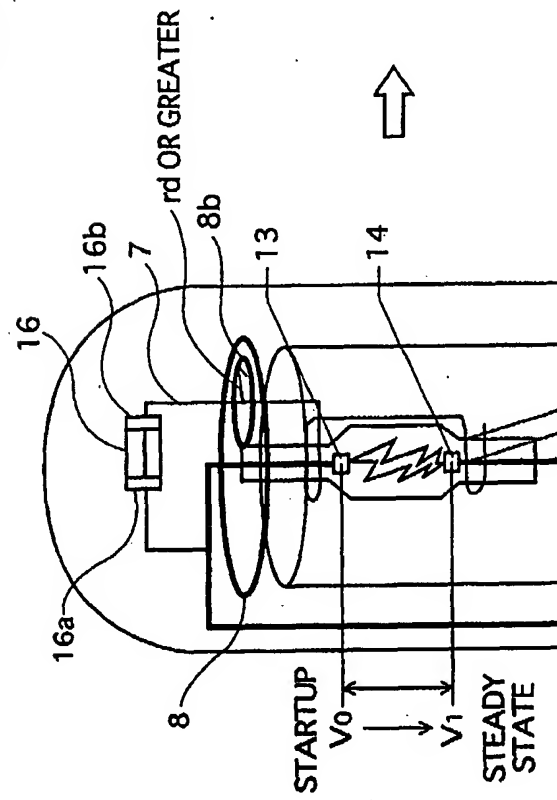


FIG. 9A

NORMAL STATE

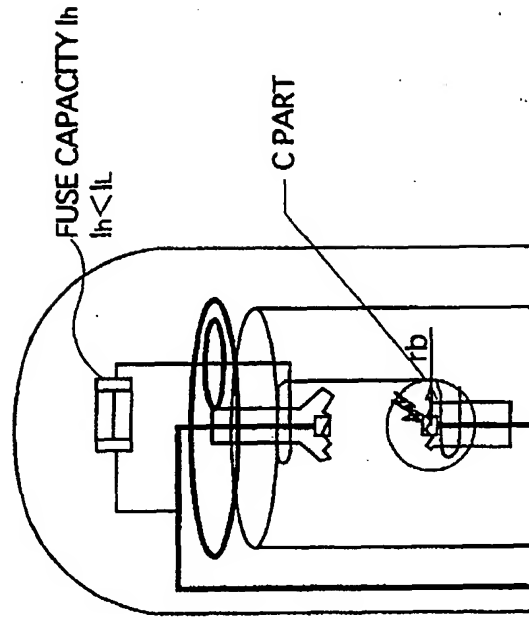


STARTUP

STEADY STATE

FIG. 9B

ARC TUBE BREAKAGE
(DISCHARGE DOES NOT OCCUR IN OUTER TUBE)



IL : LAMP CURRENT DURING NORMAL
OPERATION

FIG.10B

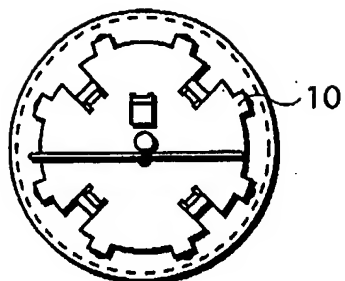


FIG.10A

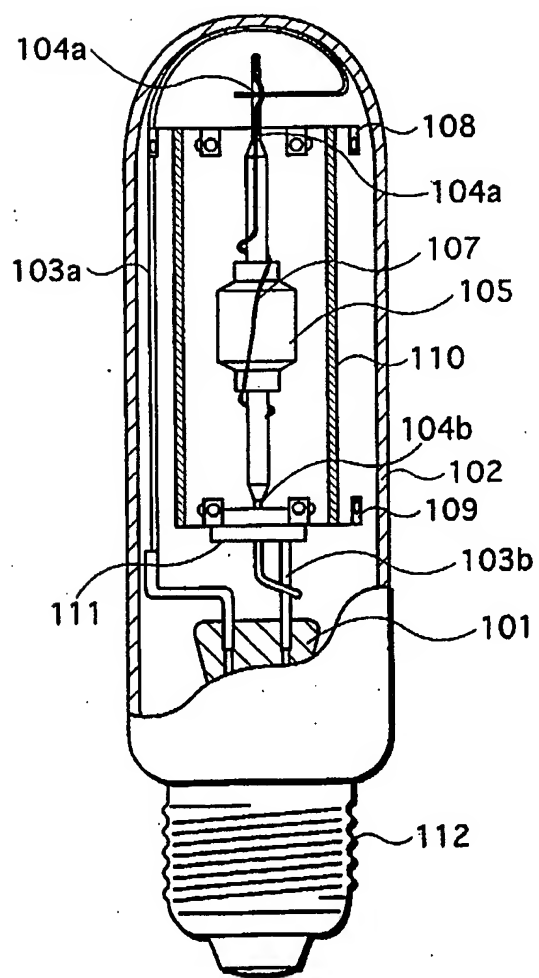
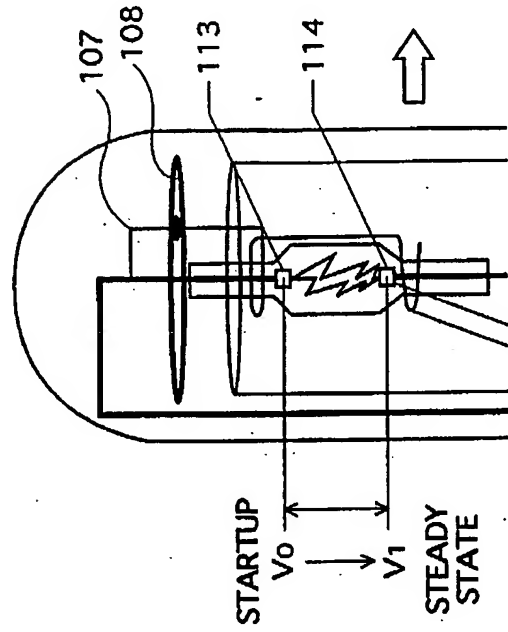


FIG.11A

NORMAL STATE



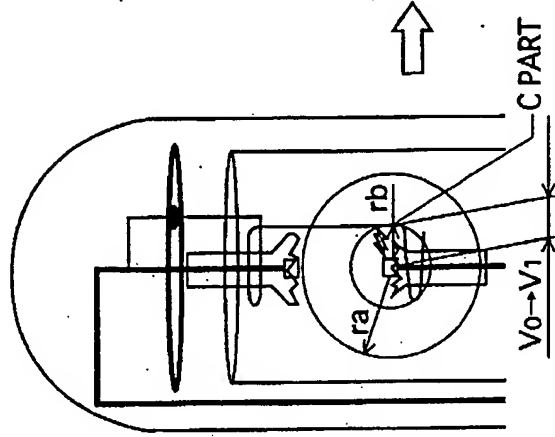
$V_0 \rightarrow V_1$

STARTUP

STEADY STATE

FIG.11B

ARC TUBE BREAKAGE
(START OF DISCHARGE IN OUTER TUBE)

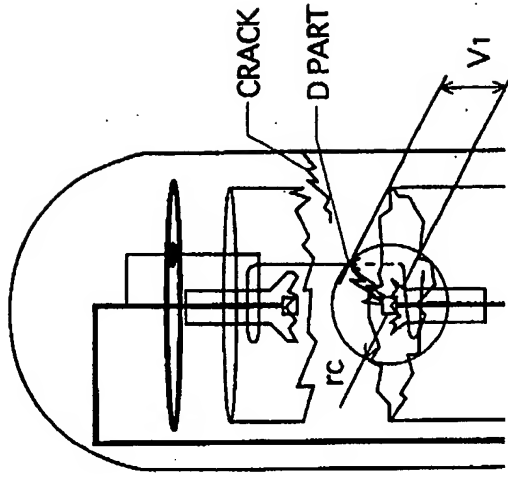


$V_0 \rightarrow V_1$

(CURRENT $\neq 0$)

FIG.11C

LAST STAGE OF DISCHARGE
IN OUTER TUBE
(END OF DISCHARGE)



V_1